IN THE CLAIMS:

Claim 3, line 1, delete "or 2".

Claim 4, line 1, delete "or 2".

Claim 13, delete "any one of claims 2" and substitute therefore

--claim 1--.

Claim 16, line 1, delete "14 or".

Claim 18, line 1, delete "14 or".

Claim 19, line 1, delete "14 or".

Claim 20, line 1, delete "any one of claims" and substitute

therefore --claim--.

Please add the following Claims:

21.   The method of claim 1, wherein the events are signals pro-

duced by biological micro-structures which are displaced from their original

environment.

22.   The method of claim 1, wherein the events are signals pro-

duced by living cells.

23.   The method of claim 1, wherein the estimating step includes an

autocorrelation operation.

24.   The system of claim 14, wherein the module for estimating

includes components to perform an autocorrelation operation.

25.   The system of claim 14, wherein the processor is constructed

to perform a segmented autocorrelation process.